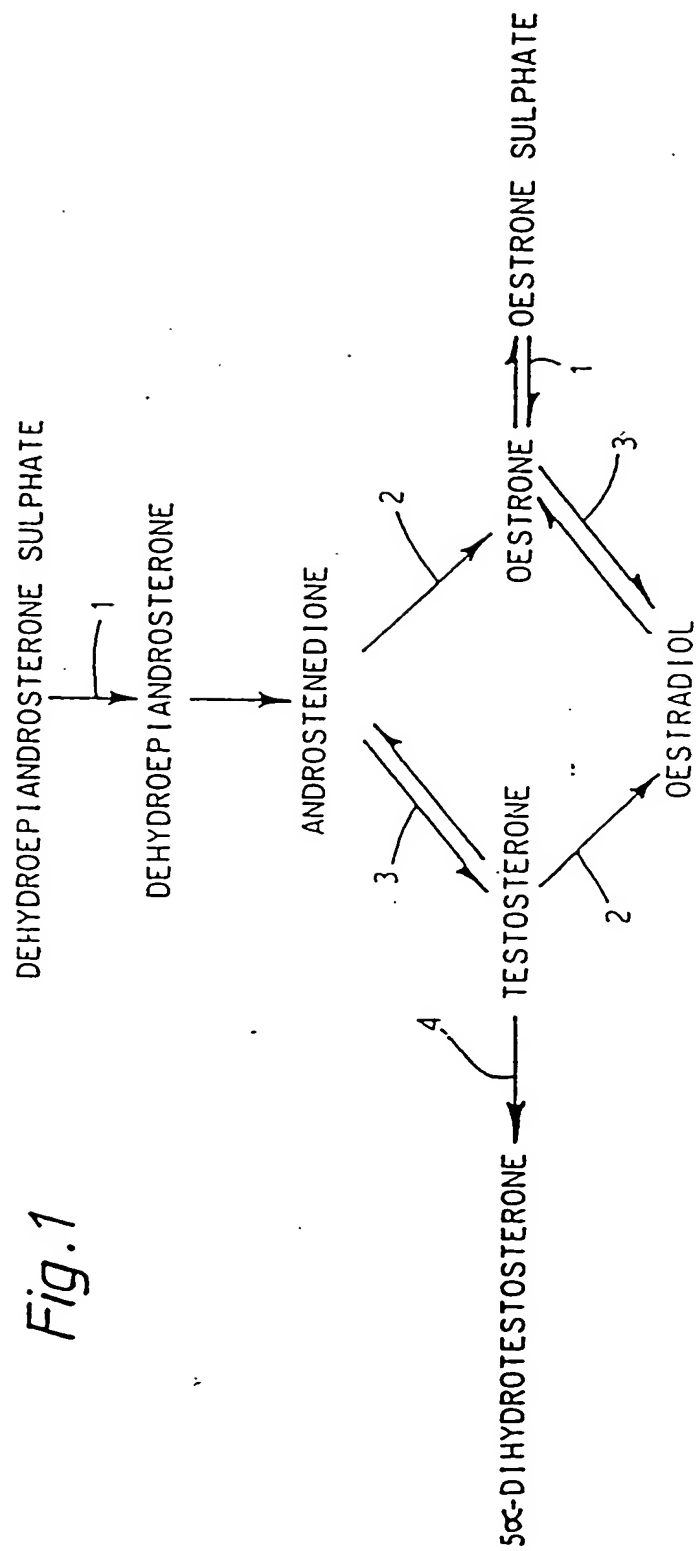


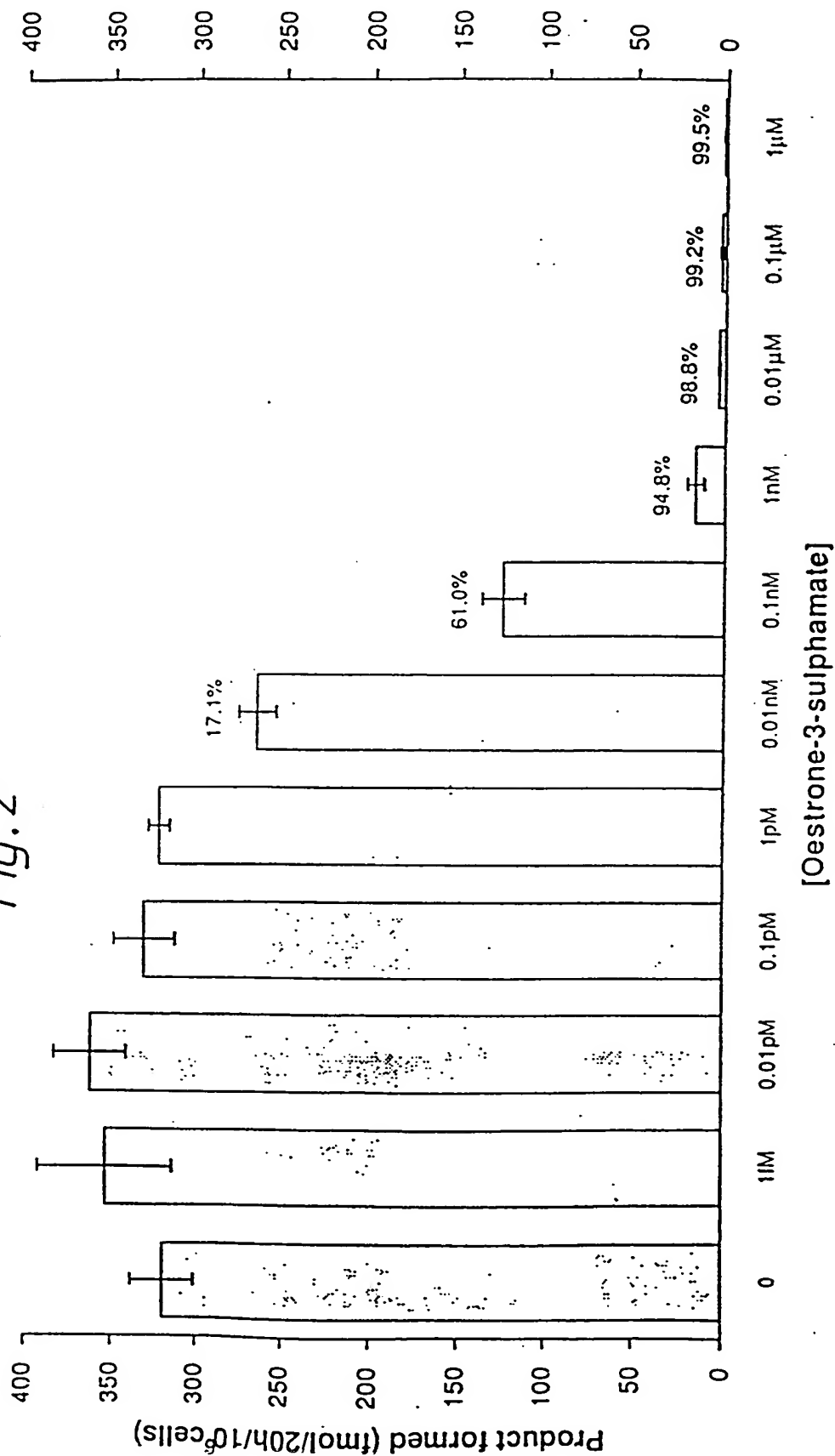
Fig. 1



KEY ENZYMES IN STEROIDOGENESIS:-

1. SULPHATASE
2. ARONATASE
3. DEHYDROGENASE
4. 5 α -REDUCTASE

Fig. 2



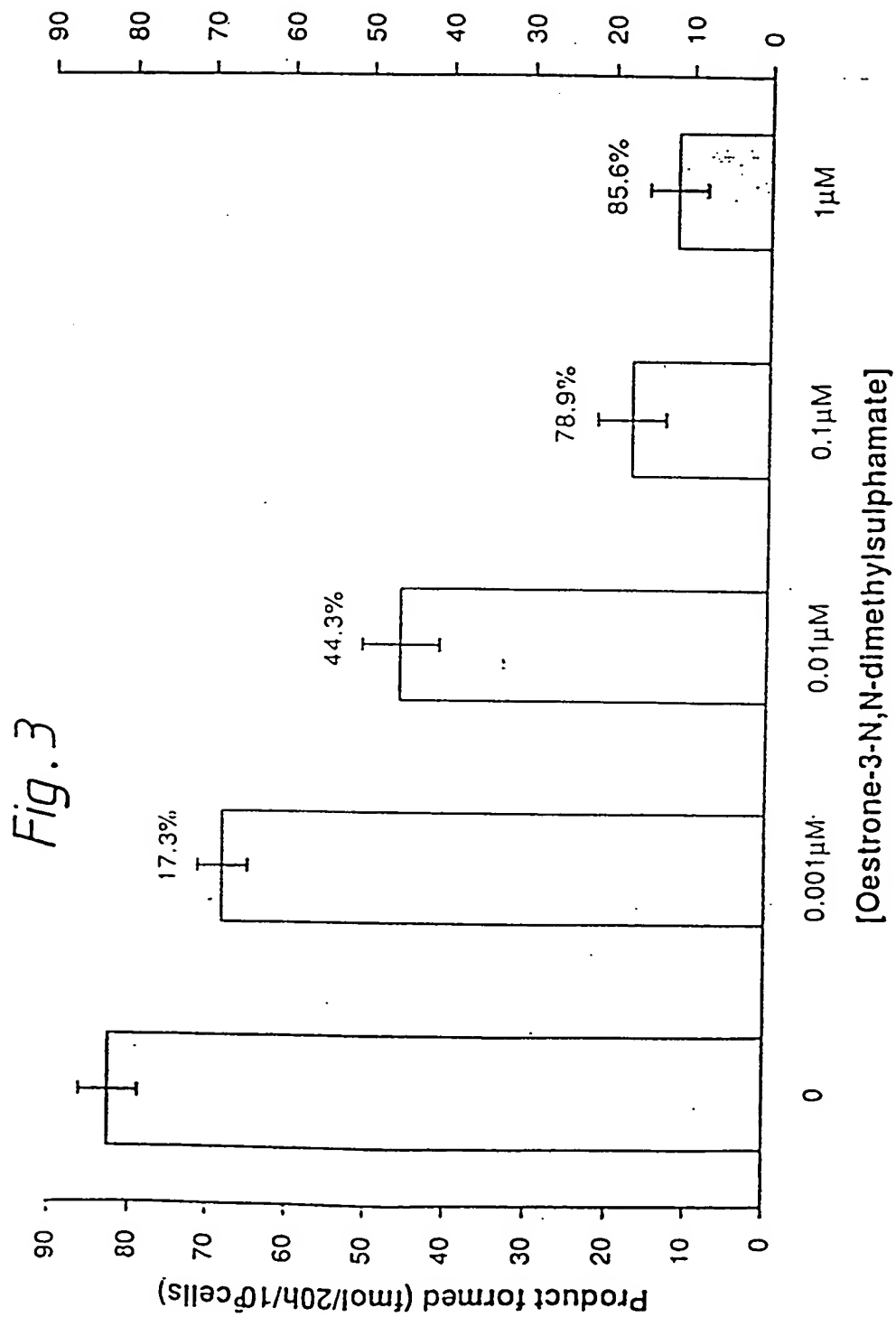
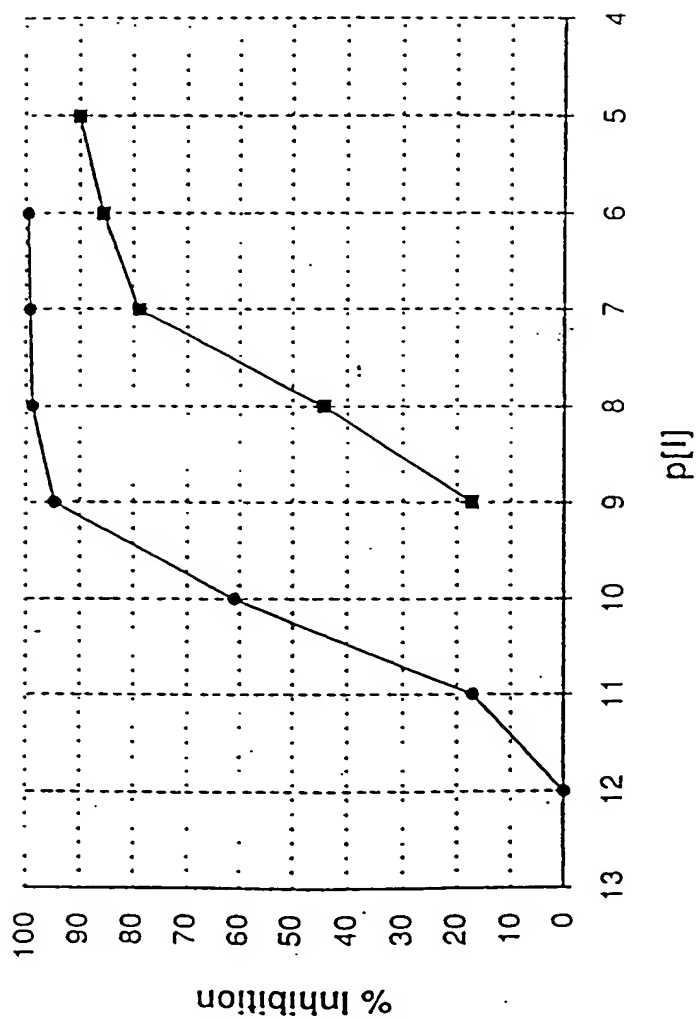
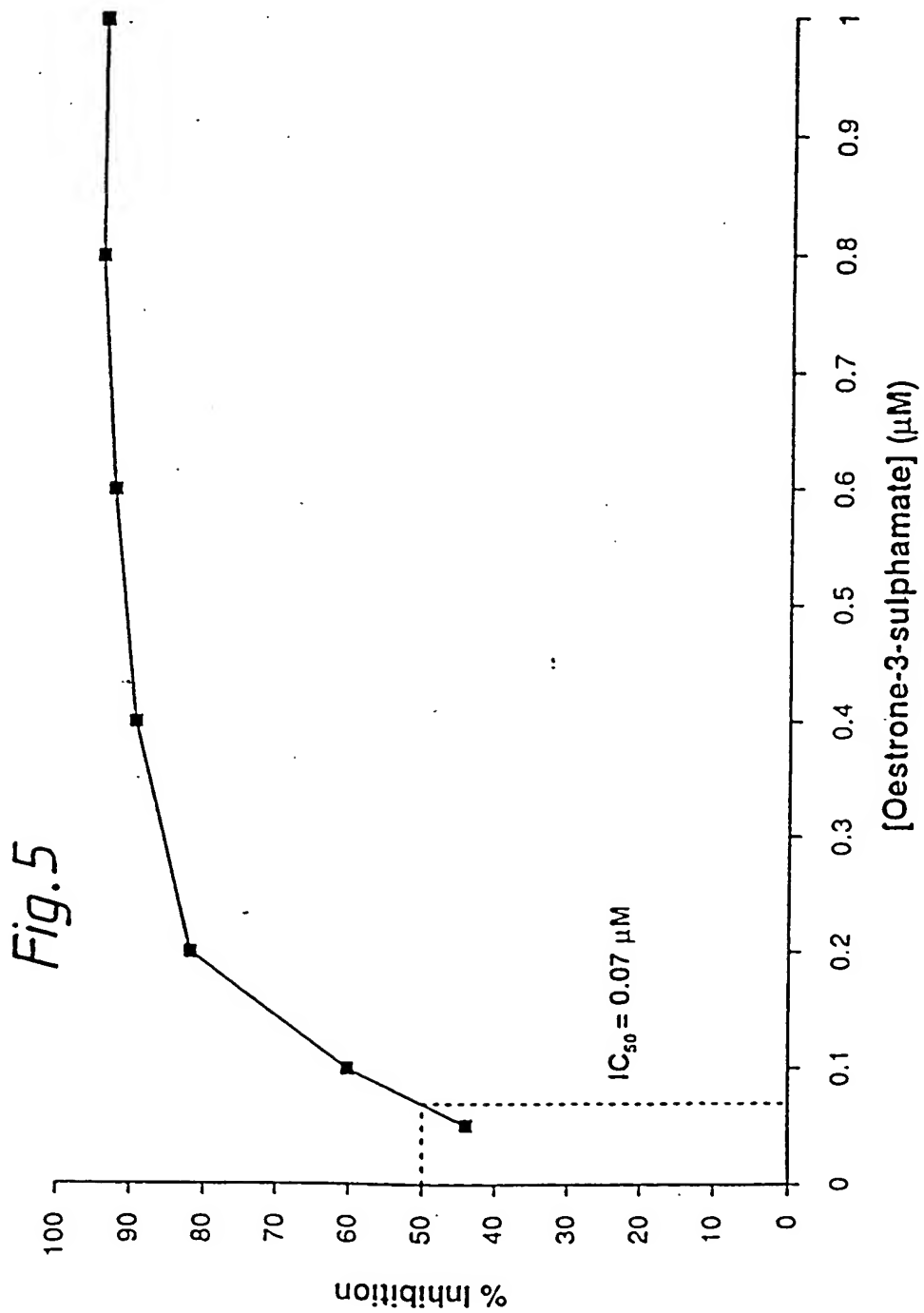


Fig. 4





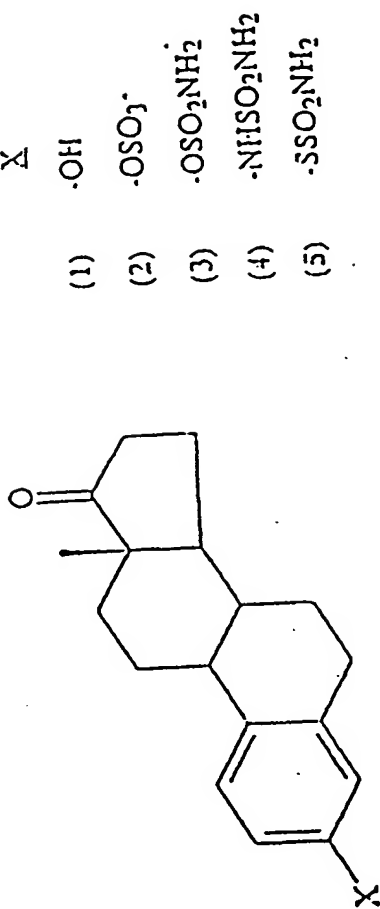
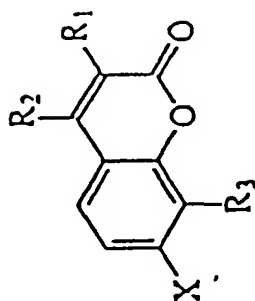


FIG. 6



	X	R ₁	R ₂	R ₃
(11)	-OH	H	H	H
(12)	-OSO ₃ ⁻	H	CH ₃	H
(13)	-OSO ₂ NH ₂	H	H	H
(14)	-OSO ₂ NH ₂	H	CH ₃	H
(15)	-OSO ₂ NH ₂	CH ₃	CH ₃	CH ₃
(16)	-OSO ₂ NH ₂	H	CF ₃	H

FIG. 7

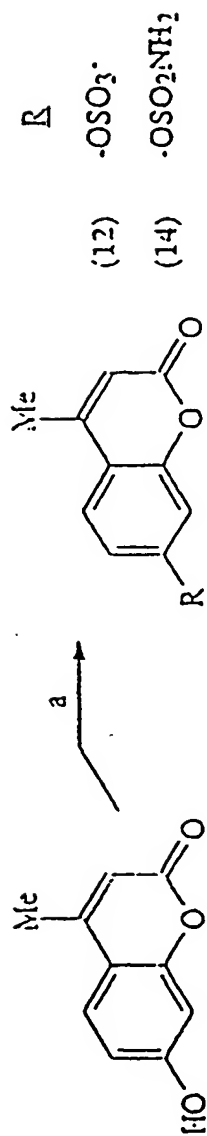


FIG. 8

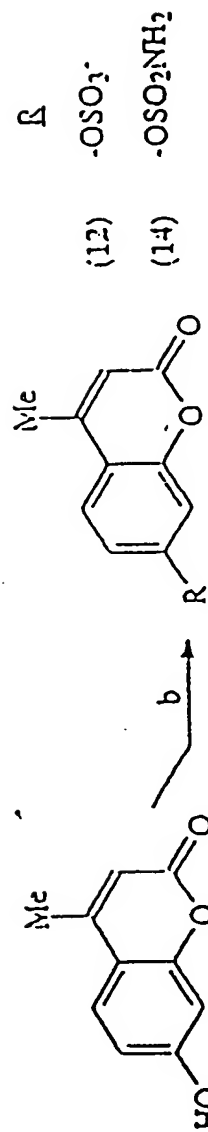


FIG. 9

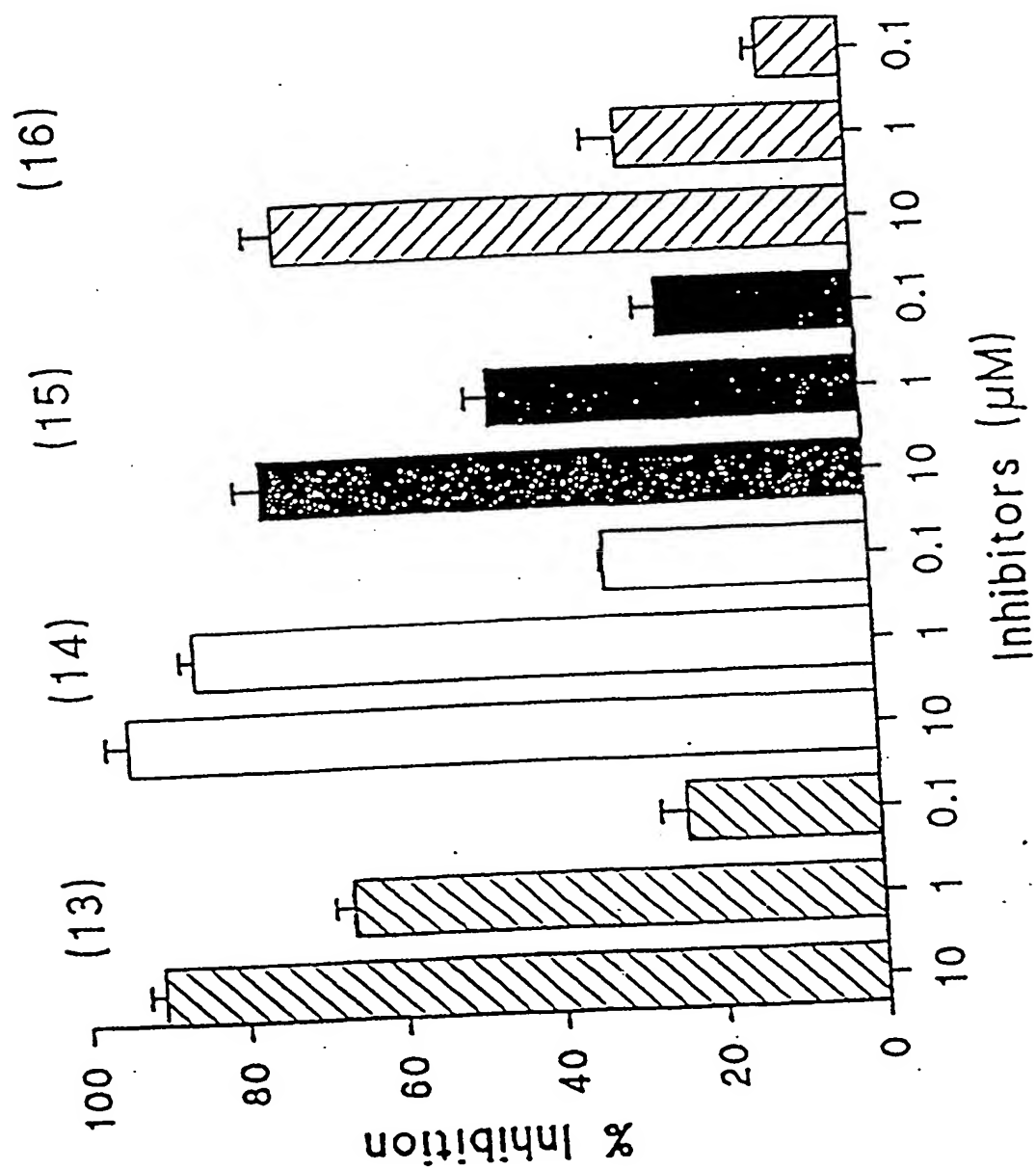


FIG.10

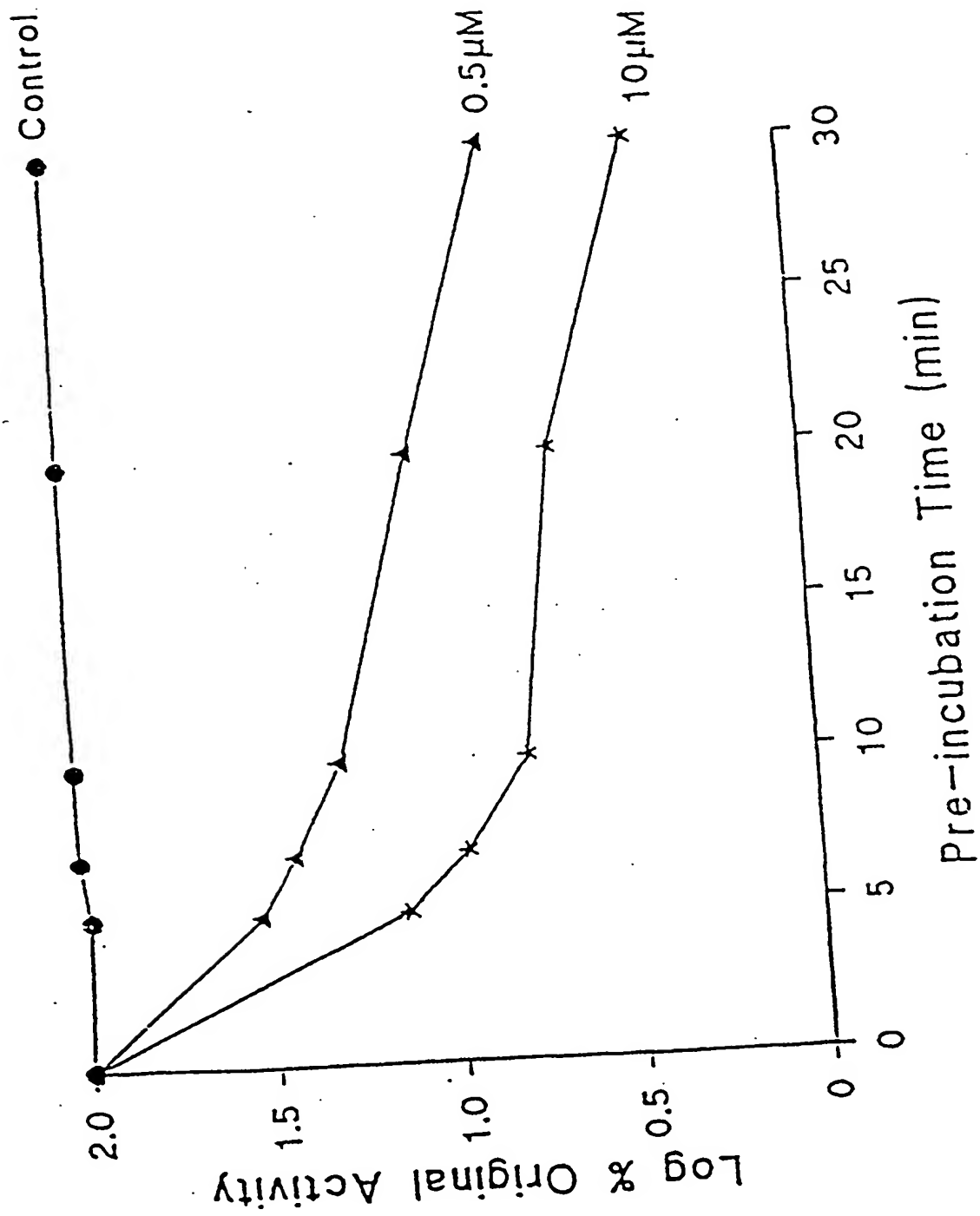


FIG. 11

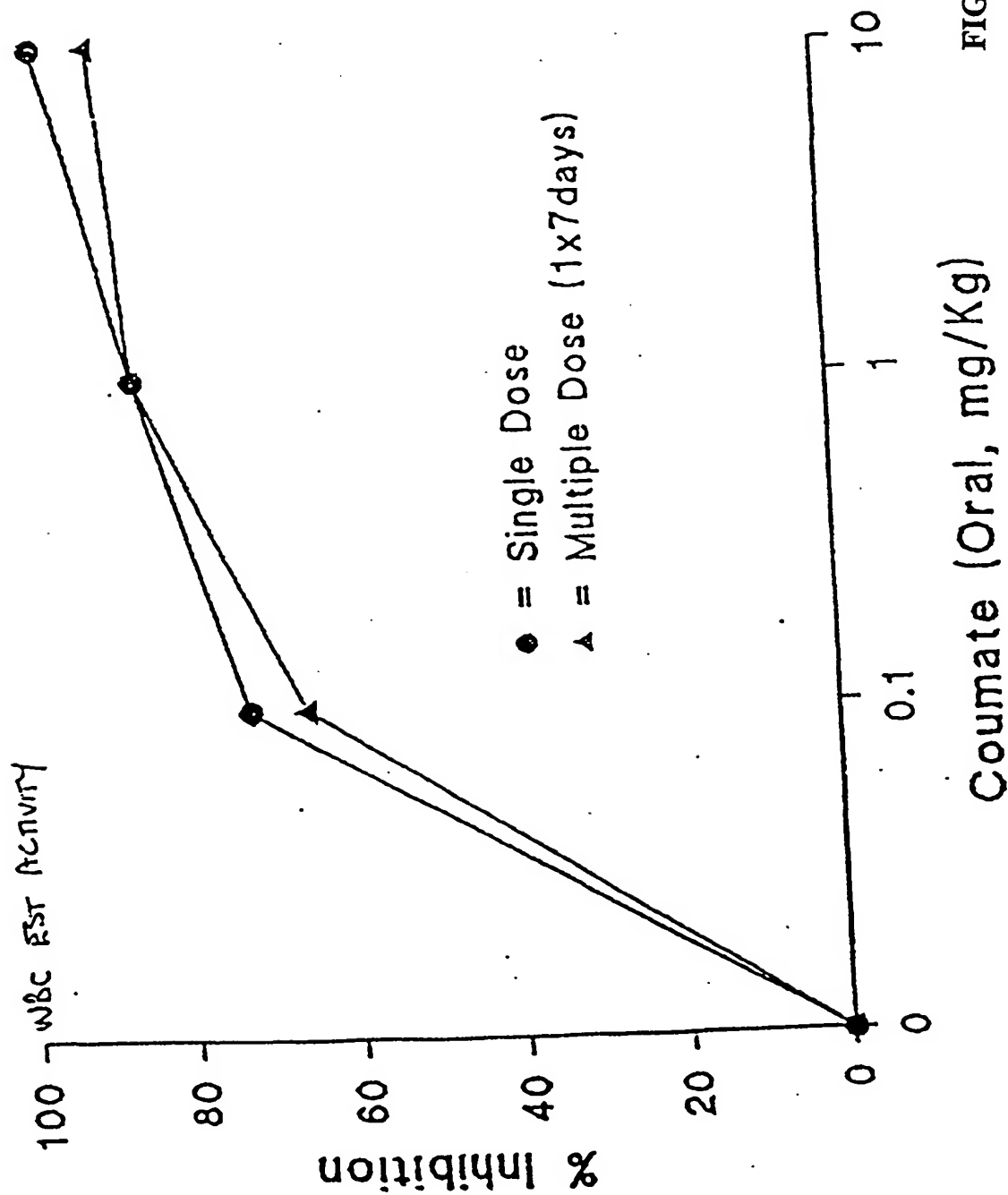
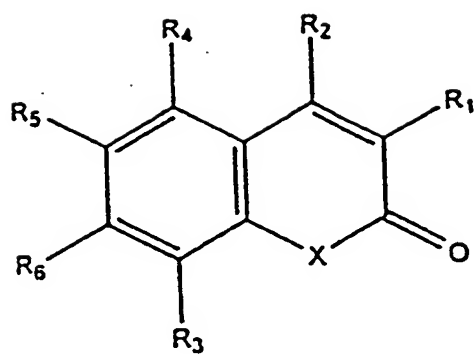
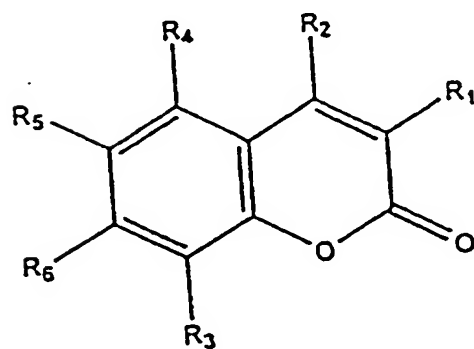


FIG. 12

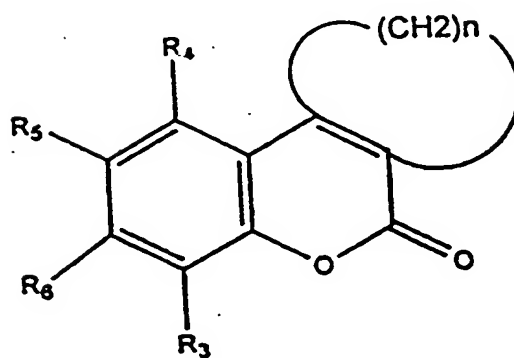
FIG. 13



(A)



(B)



(C)

FIG. 14

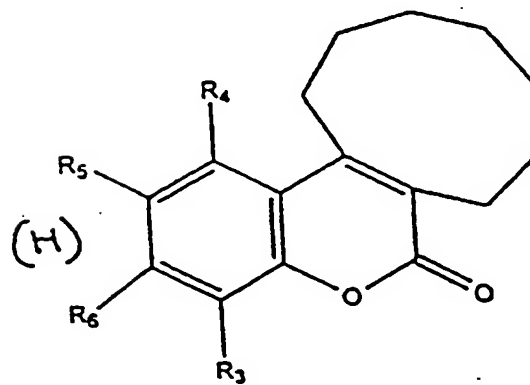
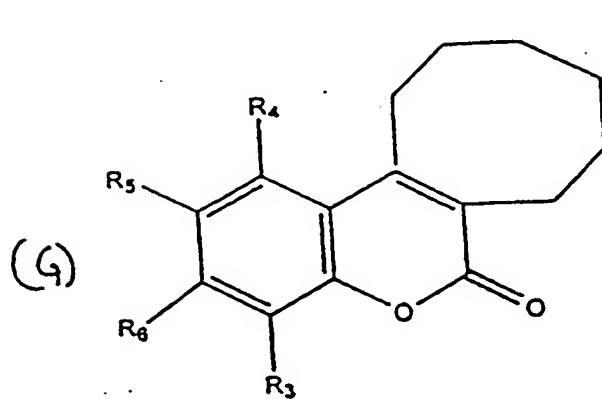
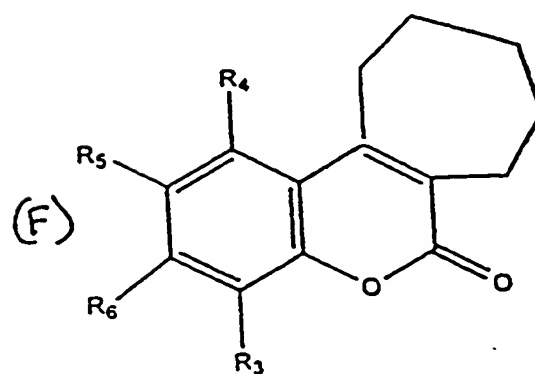
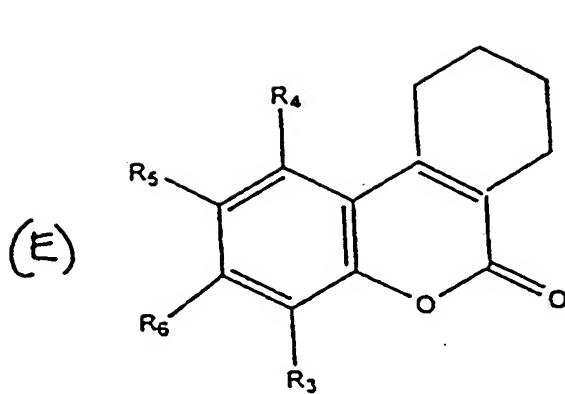
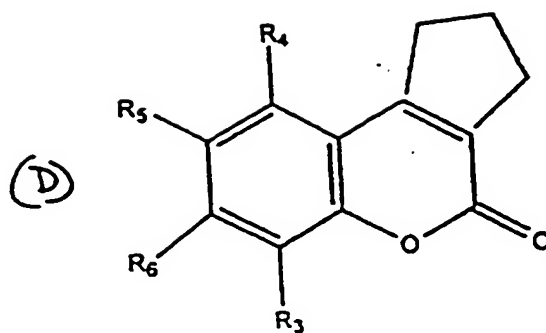
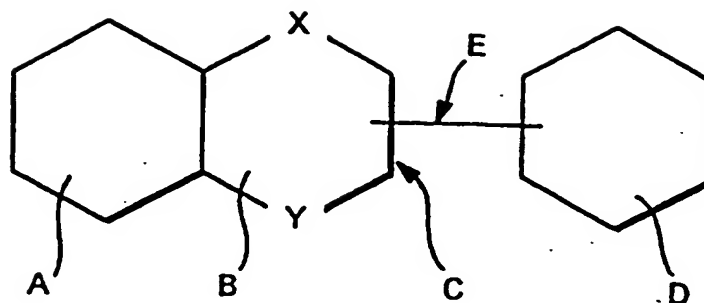
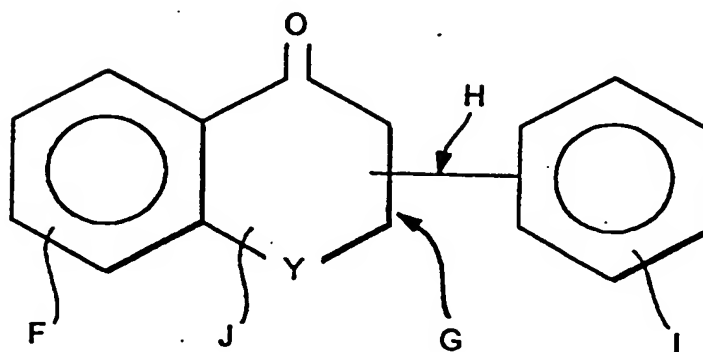


FIG. 16a



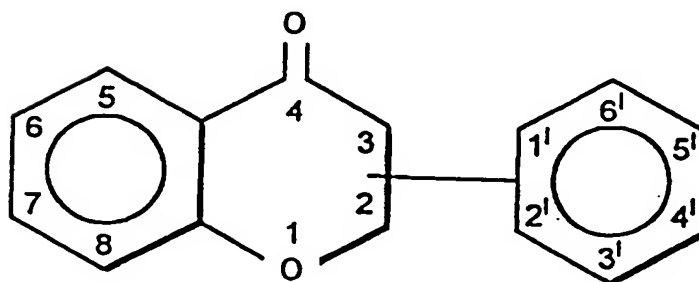
I

FIG. 16b

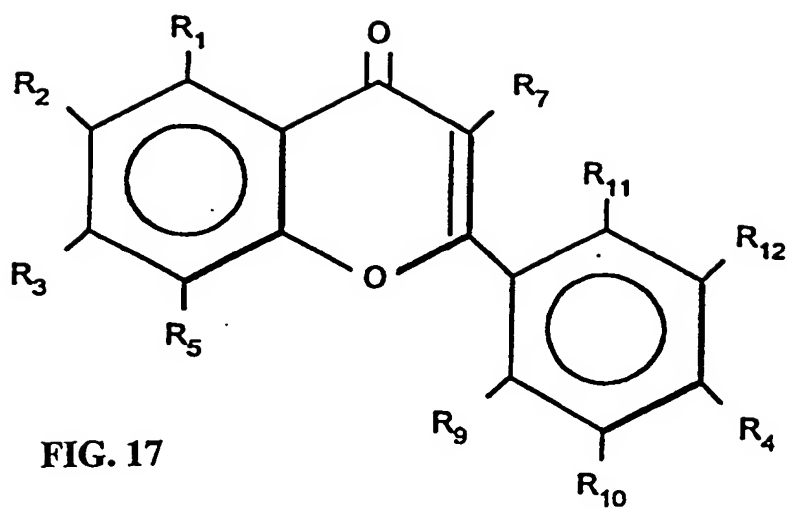


II

FIG. 16c

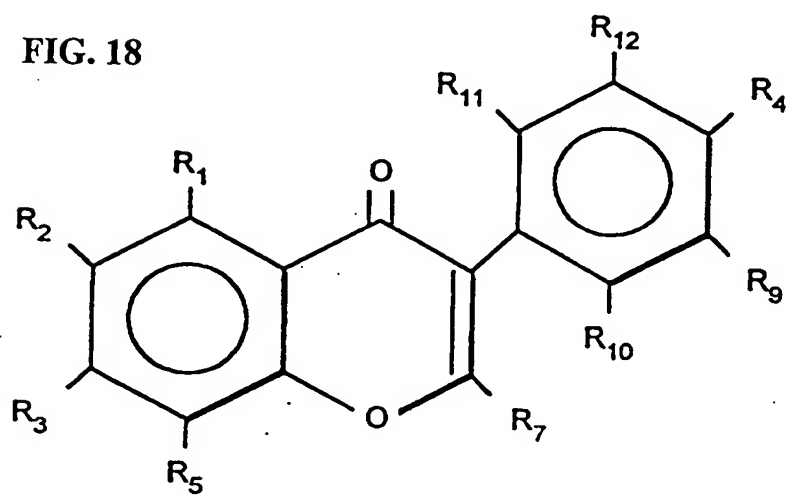


III

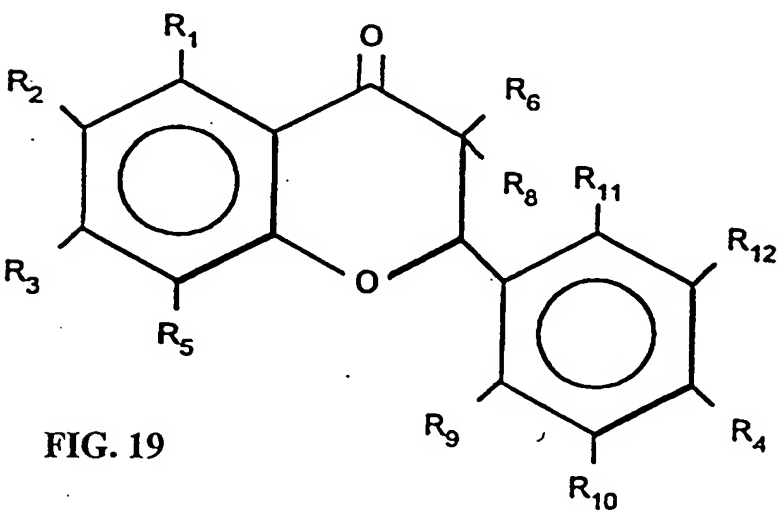


IV

FIG. 17



V



VI

FIG. 19

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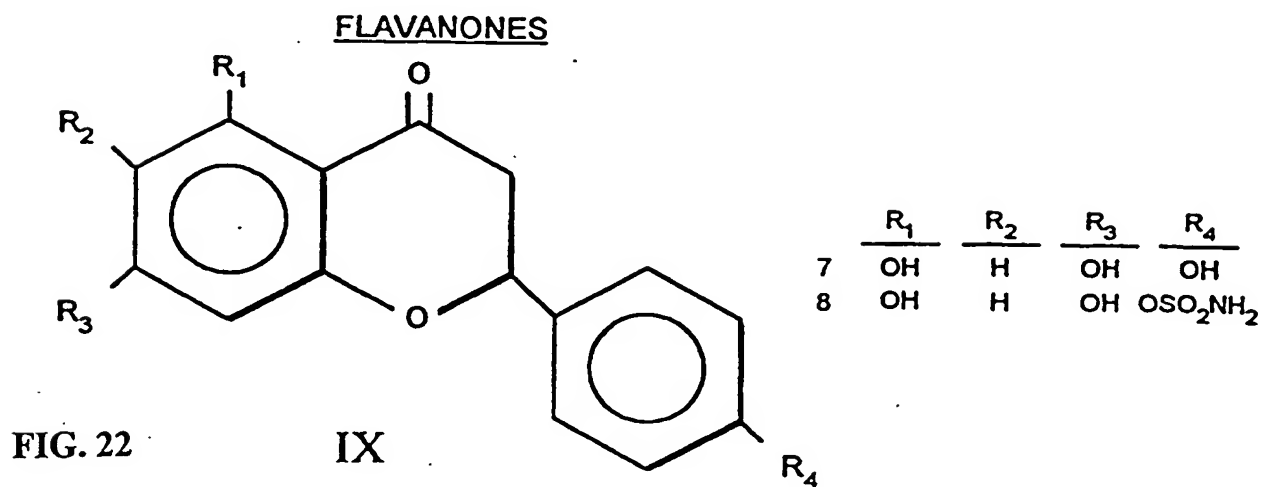
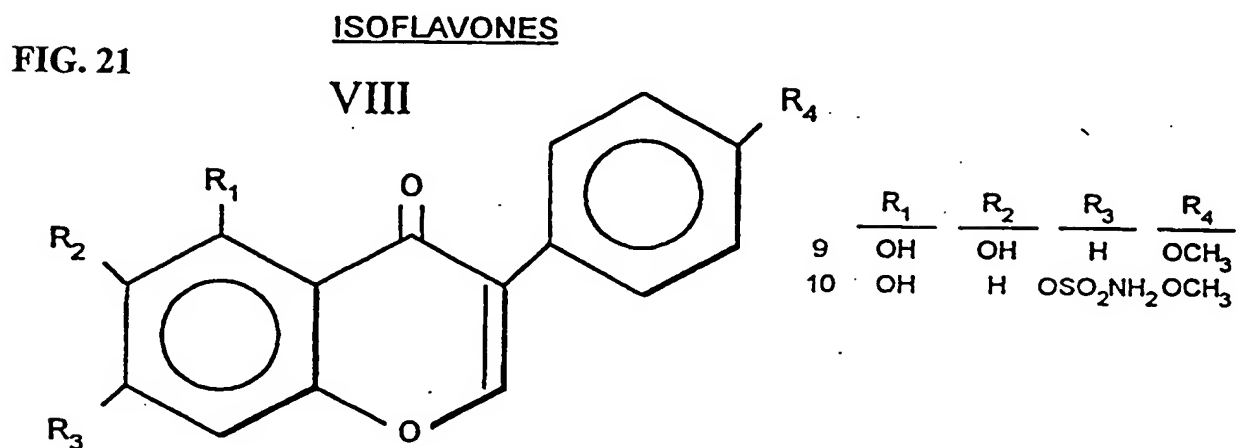
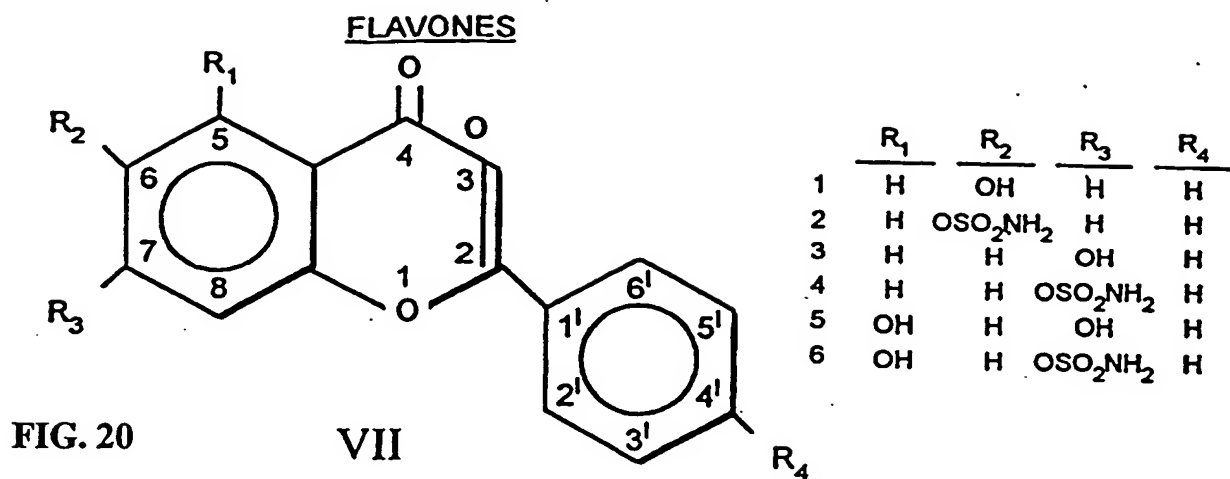
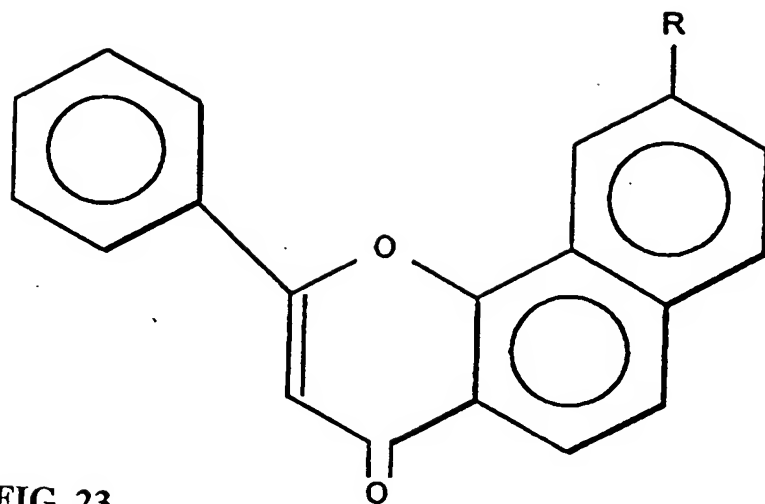


FIG. 23



X

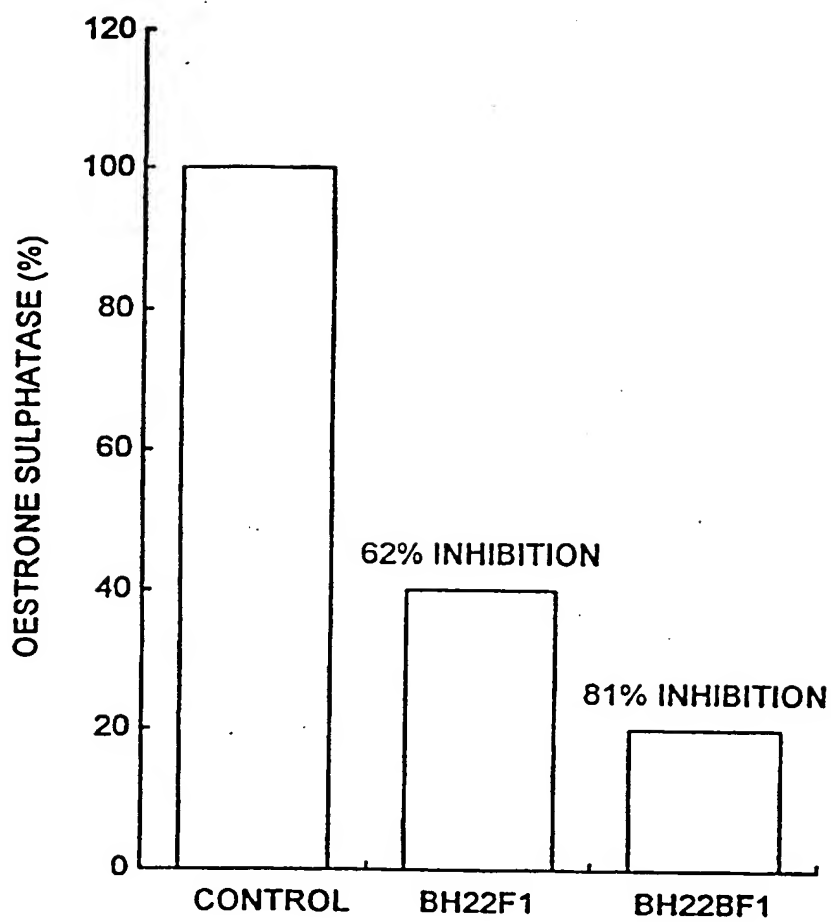
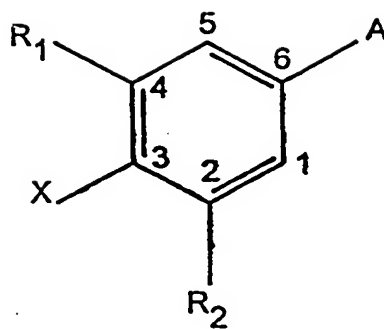


FIG. 24

X - B - A I

FIG. 25



II

FIG. 26

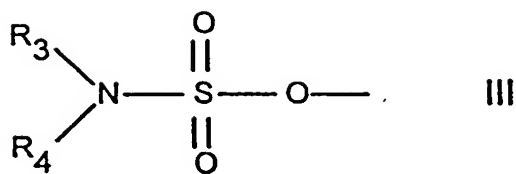


FIG. 27

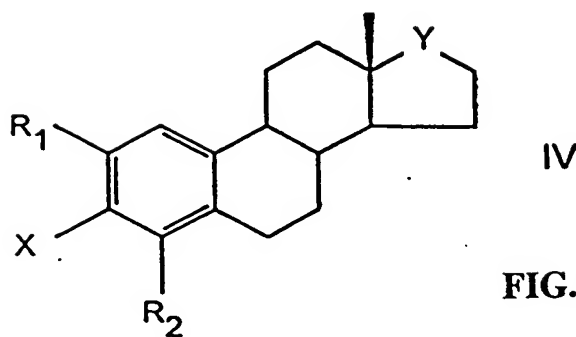


FIG. 28

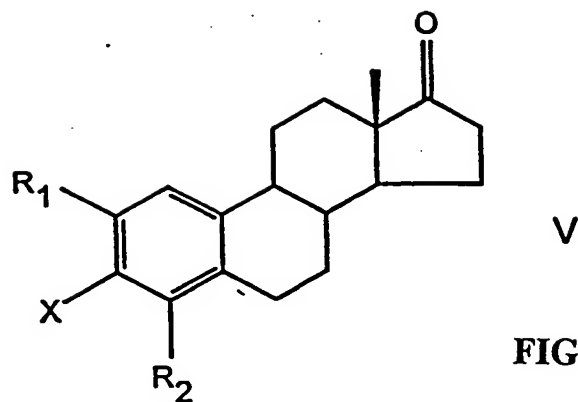
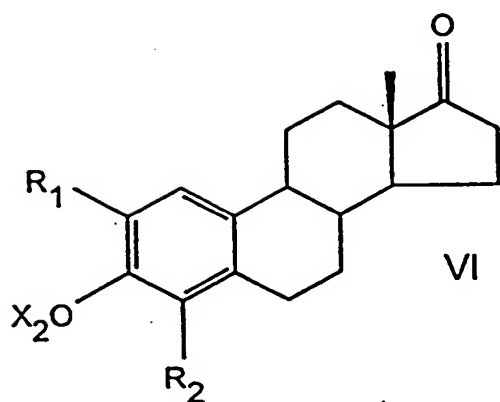
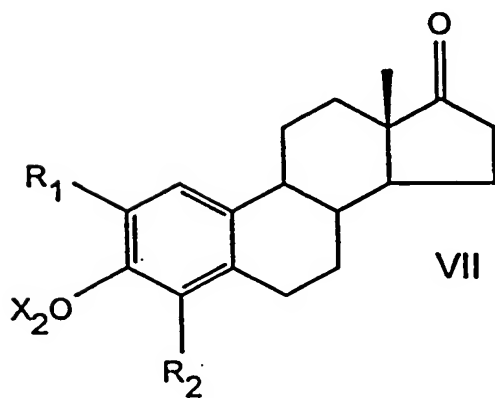


FIG. 29



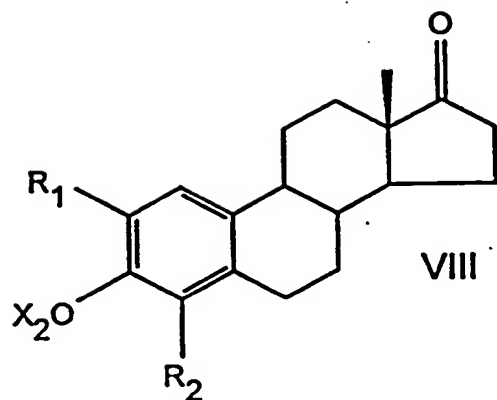
	$X_2 = -SO_2NH_2$	
	R_1	R_2
a)	$n-CH_2CH_2CH_3$	H
b)	H	$n-CH_2CH_2CH_3$
c)	$n-CH_2CH_2CH_3$	$n-CH_2CH_2CH_3$

FIG. 30



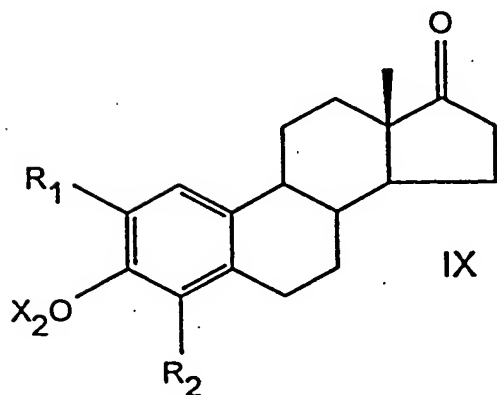
	$X_2 = -SO_2NH_2$	
	R_1	R_2
a)	$-CH_2CH=CH_2$	H
b)	H	$-CH_2CH=CH_2$
c)	$-CH_2CH=CH_2$	$-CH_2CH=CH_2$

FIG. 31



	$X_2 = -SO_2NH_2$	
	R_1	R_2
a)	H_3CO-	H
b)	H	H_3CO-
c)	H_3CO-	H_3CO-

FIG. 32



	$X_2 = -SO_2NH_2$	
	R_1	R_2
a)	$-NO_2$	H
b)	H	$-NO_2$
c)	$-NO_2$	$-NO_2$

FIG. 33

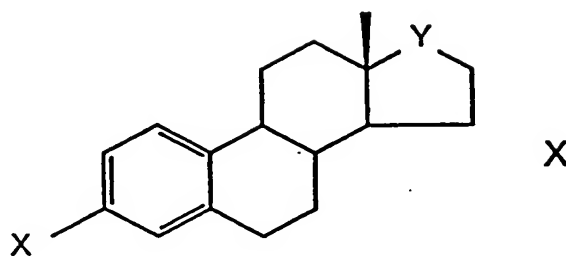


FIG. 34

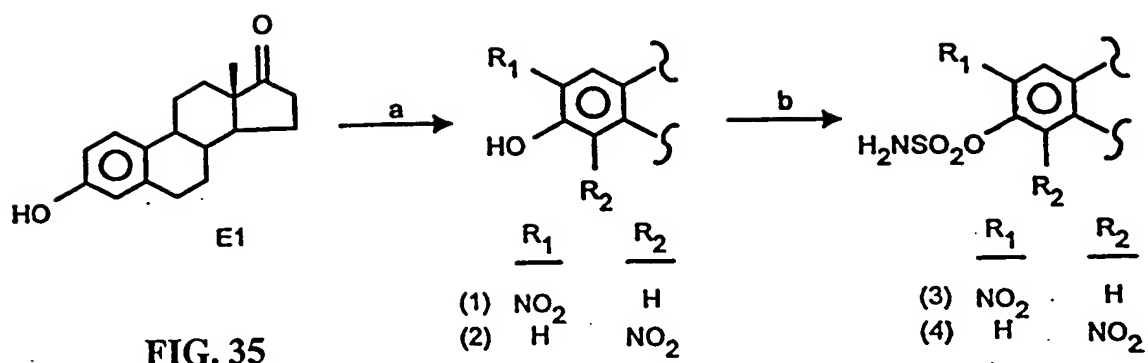


FIG. 35

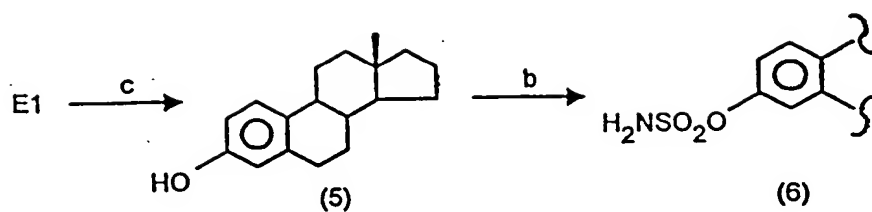


FIG. 36

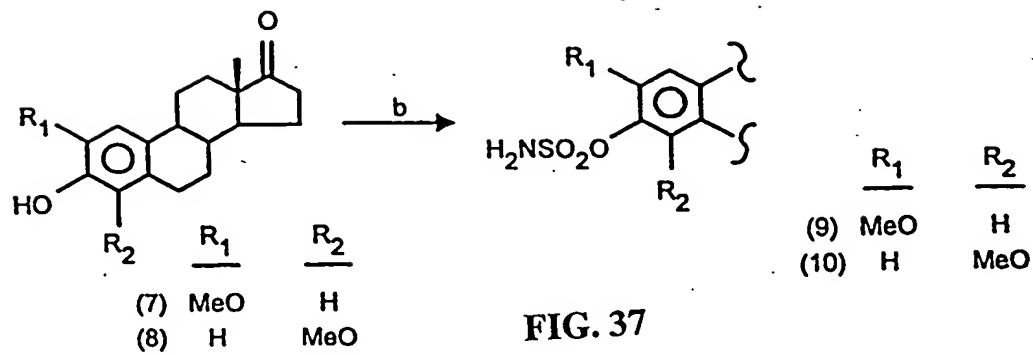


FIG. 37

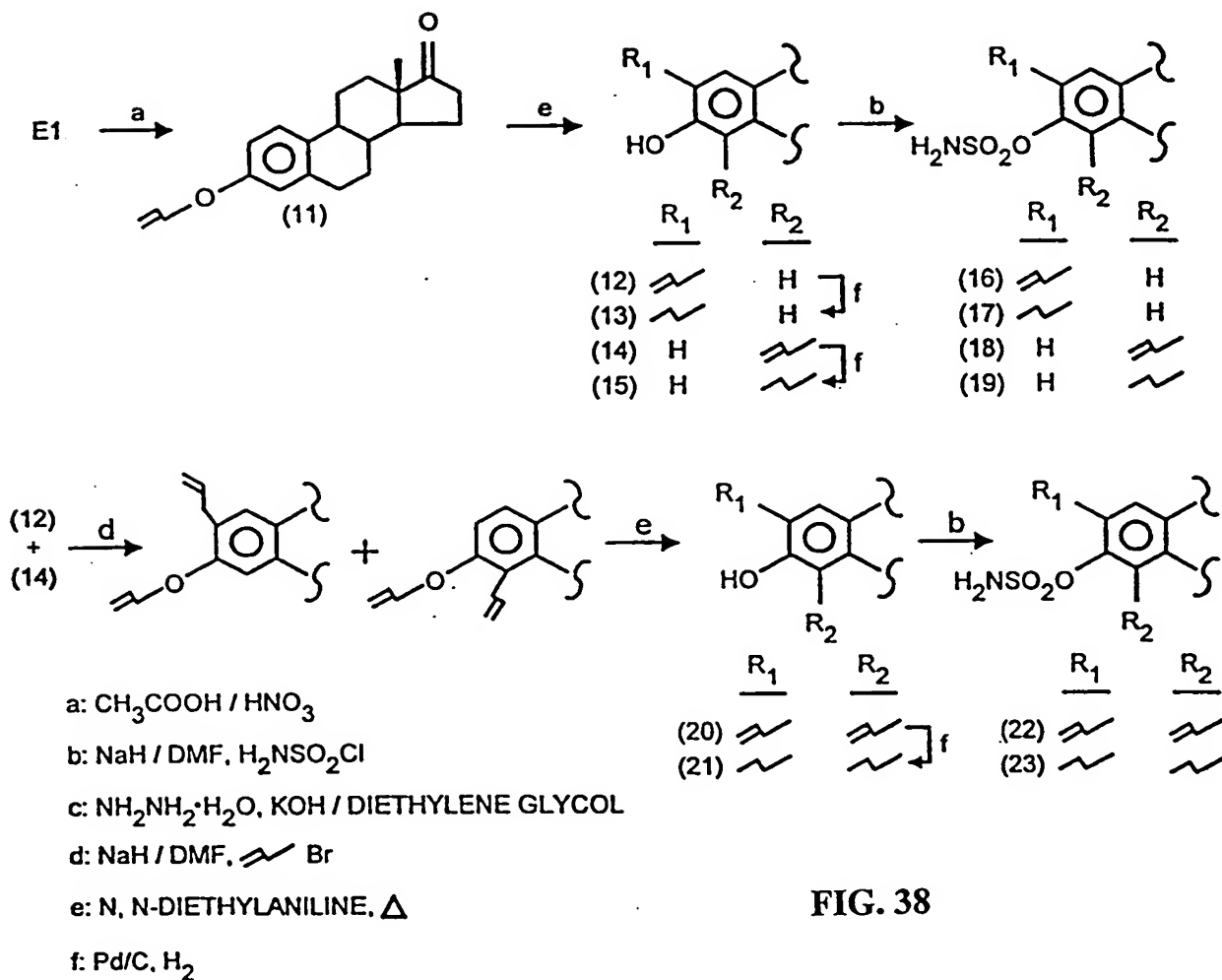


FIG. 38

